

**POWER SYSTEM OPERATION CORPORATION LIMITED  
NATIONAL LOAD DESPATCH CENTRE  
NEW DELHI**

**Date of Reporting: 20-Sep-16  
System Reliability Indices Report for: 19-Sep-16**

**Percentage (%) of times ATC was violated**

S.No.	Corridor	Number of Blocks Violated	Number of Hours Violated	%Violation
1	WR-NR	52	13.00	54.17
2	ER-NR	0	0.00	0.00
3	Import of NR	39	9.75	40.63
4	NEW-SR	0	0.00	0.00
5	ER-NER	47	11.75	48.96

**Percentage(%) of times (N-1) Criteria was violated**

S.No.	Corridor	Number of Blocks Violated	Number of Hours Violated	%Violation
1	WR-NR	8	2.00	8.33
2	ER-NR	0	0.00	0.00
3	Import of NR	6	1.50	6.25
4	NEW-SR	0	0.00	0.00
4	ER-NER	46	11.50	47.92

Remarks: Flows crossing Total Transfer Capability (TTC) on interregional corridors has been worked out as a proxy for (N-1) violation.

## Voltage Profile for the day of 19-Sep-2016

Region	Station	%age of time Voltage below 728/380 kV	%age of time Voltage between 728/380 kV & 800/420 kV	%age of time Voltage above 800/420 kV	Voltage deviation index (%age of time voltage is outside IEGC band)	Maximum Voltage (kV)	Minimum Voltage (kV)	Average Voltage (kV)
NR	Agra	0.00%	100.00%	0.00%	0.00%	785	742	768
	Anpara-C	0.00%	100.00%	0.00%	0.00%	777	766	770
	Ballia	0.00%	100.00%	0.00%	0.00%	790	756	771
	Bhiwani	0.00%	100.00%	0.00%	0.00%	791	759	775
	Bareilly	0.00%	100.00%	0.00%	0.00%	760	760	760
	Fatehpur	0.00%	100.00%	0.00%	0.00%	773	740	758
	Jhatikara	0.00%	100.00%	0.00%	0.00%	791	754	772
	Lucknow	0.00%	100.00%	0.00%	0.00%	793	760	774
	Meerut	0.00%	100.00%	0.00%	0.00%	799	762	780
	Moga	0.00%	100.00%	0.00%	0.00%	795	763	780
Phagi	0.00%	100.00%	0.00%	0.00%	784	748	770	
Unnao	0.00%	100.00%	0.00%	0.00%	771	744	756	
WR	Akola	0.00%	100.00%	0.00%	0.00%	779	747	767
	Aurangabad	0.00%	99.65%	0.35%	0.35%	802	768	787
	Bhopal (BDTCL)	0.00%	100.00%	0.00%	0.00%	786	752	773
	Bilaspur	0.00%	100.00%	0.00%	0.00%	773	758	768
	Bina	0.00%	100.00%	0.00%	0.00%	790	757	779
	Champa	0.00%	100.00%	0.00%	0.00%	799	783	794
	Dharamjaigarh	0.00%	100.00%	0.00%	0.00%	781	777	778
	Dhule (BDTCL)	0.00%	100.00%	0.00%	0.00%	799	772	788
	Gwalior	0.00%	100.00%	0.00%	0.00%	790	752	776
	Indore	0.00%	100.00%	0.00%	0.00%	791	755	777
	Jabalpur	0.00%	100.00%	0.00%	0.00%	792	763	782
	Koradi	0.00%	100.00%	0.00%	0.00%	759	735	750
	Pune	0.00%	100.00%	0.00%	0.00%	785	739	762
	Raigarh PS (Kotra)	0.00%	100.00%	0.00%	0.00%	797	783	792
	Raipur PS (Durg)	0.00%	100.00%	0.00%	0.00%	790	780	785
	Sasan	0.00%	100.00%	0.00%	0.00%	776	759	770
	Satna	0.00%	100.00%	0.00%	0.00%	783	758	776
	Seoni	0.00%	100.00%	0.00%	0.00%	791	767	782
	Sipat	0.00%	100.00%	0.00%	0.00%	771	759	767
	Sholapur	0.00%	84.58%	15.42%	15.42%	809	774	792
Tamnara PS	0.00%	100.00%	0.00%	0.00%	796	783	789	
Tirora	0.00%	100.00%	0.00%	0.00%	758	741	752	
Vadodara	0.00%	95.49%	4.51%	4.51%	804	767	786	
Vindhyachal PS	0.00%	100.00%	0.00%	0.00%	780	764	773	
Wardha	0.00%	99.86%	0.14%	0.14%	800	773	787	
SR	Nellore PS	0.00%	99.93%	0.07%	0.07%	800	775	785
	Raichur	0.00%	98.19%	1.81%	1.81%	803	774	789
	Kurnool	0.00%	86.81%	13.19%	13.19%	807	777	792
	Thiruvalam	0.00%	76.53%	23.47%	23.47%	811	779	793
ER	Angul	0.00%	100.00%	0.00%	0.00%	779	763	773
	Gaya	0.00%	100.00%	0.00%	0.00%	789	754	771
	Jharsuguda	0.00%	100.00%	0.00%	0.00%	793	774	786
	Ranchi	0.00%	100.00%	0.00%	0.00%	790	765	781
Sasaram	0.00%	100.00%	0.00%	0.00%	780	734	760	
NER	Azara (400 kV)	0.00%	100.00%	0.00%	0.00%	409	400	406
	Balipara (400 kV)	0.00%	98.82%	1.18%	1.18%	423	400	410
	Bongaigaon (400 kV)	0.00%	100.00%	0.00%	0.00%	411	393	403
	Misa (400 kV)	0.00%	99.03%	0.97%	0.97%	422	403	412
	Silchar (400 kV)	0.00%	100.00%	0.00%	0.00%	412	397	407

Remarks: Unless specified, Station may be treated as 765kV S/S.